

Schedule
“BIG LIGHT” WORKSHOP
National High Magnetic Field Laboratory
Tallahassee, Florida
May 6-7, 2004

Thursday, May 6

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| 7:00 | Breakfast at the Wingate Hotel | |
| 7:30 | Vans leave Wingate Hotel to NHMFL | |
| 8:30 | Greg Boebinger
NHMFL Director | Opening remarks |
| 8:45 | Gwyn Williams
Jefferson National Lab. | <i>Properties of a THz/IR/UV FEL with some applications</i> |
| 9:15 | Charles Schmuttenmaer
Yale University | <i>Far-infrared studies in chemistry and condensed-matter physics</i> |
| 9:45 | Rob Dunbar
Case Western Reserve U. | <i>IR photo-dissociation of gas-phase ions mass selected by ICR</i> |
| 10:15 | Discussion | |
| 10:25 | Coffee | |
| 10:45 | Jan Musfeldt
U. of Tennessee, Knoxville | <i>High-brightness sources in IR magneto-optics</i> |
| 11:15 | Jaroslav Majewski
LANL | <i>Surface X-ray scattering</i> |
| 11:45 | Anny Usheva
Harvard University | <i>Combined NMR and structural studies of biological systems</i> |
| 12:15 | Discussion | |
| 12:25 | Lunch at NHMFL | |
| 13:30 | David Reitze
University of Florida | <i>Ultrafast optics with third-generation light sources</i> |
| 14:00 | George Srajer
Argonne National Lab. | <i>APS: status and high fields</i> |
| 14:30 | Valery Kiryukhin
Rutgers University | <i>X-ray diffraction studies of strongly-correlated systems in high magnetic field, current & future research opportunities</i> |
| 14:50 | Carsten Detlefs
ESRF, Grenoble | <i>The ESRF/GHMFL pulsed magnetic field project</i> |
| 15:10 | Discussion | |
| 15:20 | Coffee | |

Thursday, May 6, continued

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| 15:40 | Don Bilderback
Cornell University | <i>CHESS: status and high fields</i> |
| 16:10 | Larry Carr
Brookhaven National Lab. | <i>Infrared beamline design and experiments</i> |
| 16:40 | Laszlo Mihaly
SUNY, Stony Brook | <i>Canted antiferromagnetism in LaMnO_3: a high-field ESR study</i> |
| 17:00 | Wim Bras
ESRF, Grenoble | <i>10 T experiments at the ESRF small-angle-scattering beamline</i> |
| 17:20 | Break | |
| 17:30 | Discussion | |
| 18:00 | Reception with “heavy” hors d’oeuvre | |
| 19:00 | Tour of the NHMFL | |
| 20:00 | Vans return to Wingate Hotel | |

“BIG LIGHT” WORKSHOP

Friday, May 7

- 7:00 Breakfast at the Wingate Hotel
7:30 Vans leave from Hotel to NHMFL
- 8:30 Keith McEwen *Magnetic X-ray scattering*
London, UK
9:00 Peter Abbamonte *High-field resonant studies of the vortex core*
Brookhaven National Lab.
9:30 Joseph Lidestri *A hockey-court-sized synchrotron for 13 keV X-rays*
Columbia University
10:00 Discussion
- 10:10 Coffee
- 10:30 Martyn Chamberlain *Applications of THz radiation*
Durham, UK
11:00 Hans van Tol *Pulsed FIR sources, spins and games to play with magnetic dipole transitions*
NHMFL/FSU
11:30 Lex van der Meer *The FELIX FEL user facility*
FELIX
12:00 Reginald Little *High-field structural studies of diamond*
Florida A&M University
12:20 Discussion
- 12:30 Lunch at the NHMFL
- 13:30 Din Nguyen *Compact FEL for spectroscopic and time-resolved dynamic studies*
LANL
13:50 Heather Andrews *Table-top Smith Purcell FEL*
Vanderbilt University
14:20 George Neil *FEL design issues*
Jefferson National Lab.
14:50 Steve Hill *Coherent quantum spin dynamics: the need for powerful microwave sources*
University of Florida
15:10 Discussion
- 15:20 Coffee
- 15:40 Joe Waynert *Superconducting insertion devices; where now?*
LANL
16:00 Mark Bird *Resistive magnets for light experiments*
NHMFL/FSU
16:20 John Miller *Series-connected hybrids for light experiments*
NHMFL/FSU
16:40 Discussion
17:00 Greg Boebinger
LC Brunel
John Singleton **Wrap up**
- 18:00 Reception at the NHMFL
- 19:00 Vans return to Wingate Hotel